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(54) PRODUCTION OF POLYGLYCERYL FATTY ACID ESTER

(57) Abstract:

PURPOSE: To obtain a surfactant capable of producing perfect dissolution products and stable emulsions in the fields of foods, cosmetics, medicines and other industries.

CONSTITUTION: The method for producing the polyglyceryl fatty acid ester comprises the first process for

obtaining a polyglycerol by removing the low molecular reaction products of the polyglycerol with a liquid chromatography using a column filled with the alkaline earth metal salt of a gel type ion exchange resin having a polystyrene skeleton having a cross-linking degree of 8-12%, and the second process containing the esterification reaction of the polyglycerol with a fatty acid. The method is suitable for producing perfect dissolution products and stable emulsions, and enables to produce products which have not been produced.

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